

LEAKMASTER - Water Swelling Sealant -

■ Features



LEAKMASTER is a one component type water swelling sealant with excellent and unique physical properties.

LEAKMASTER was developed based on our technology and long experience in water swelling sealants and rubbers.

Features:

1. Easy Handling and Application
2. Excellent Physical Properties
3. Well designed water expansion properties
4. Good adherence

■ Characteristics

1. General Properties

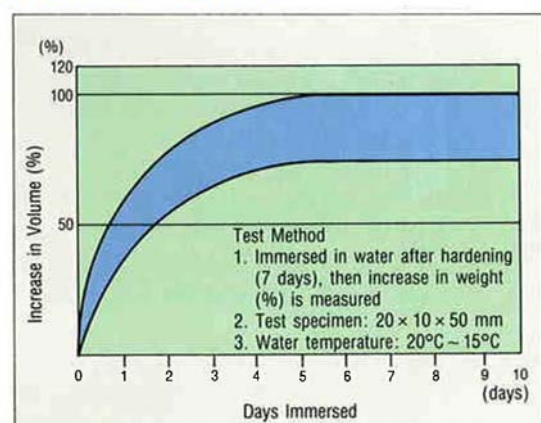
Appearance	Putty-Like
Color	Grey
Specific Gravity	1.30
Extrudability	Within 20 Sec. (at 23°C)
Slump	Max. 3 mm (at 23°C)
Tack-Free Time	Within 8 Hrs (at 23°C, 60% R.H)

JIS A 5758

2. Properties After Hardening

Hardness	35 (spring-A-type)	JIS K 6253
Tensile strength	2.94 MPa	JIS K 6251
Elongation	1250%	JIS K 6251
Tear strength	9.8 N/mm	JIS K 6252

3. Swelling Properties


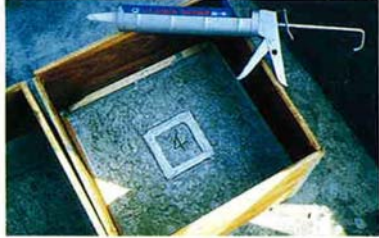




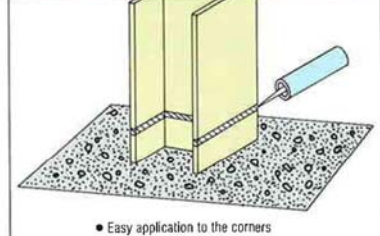
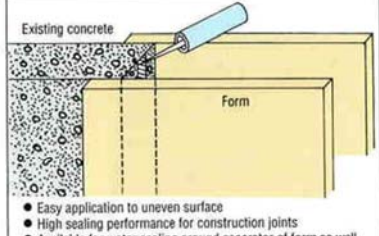
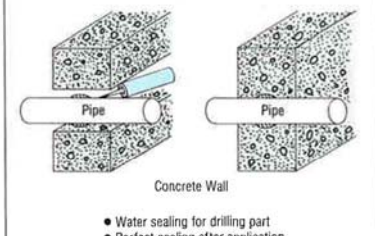


4. Adhesion Properties



	Steel	Aluminium	Mortar
50% Modulus (MPa)	0.44	0.64	0.64
Max Tensile Strength (MPa)	0.69	1.20	1.09
Elongation at break (%)	330	580	570

JIS A 5758

Various Field Tests for Water Sealing

For H-Section Steel Joints and Bars	For Joints of Cast in-situ Concrete	For Concrete Wall Penetrated by Pipe
		
		
 <ul style="list-style-type: none"> • Easy application to the corners • Less gap due to excellent adherence 	 <ul style="list-style-type: none"> • Easy application to uneven surface • High sealing performance for construction joints • Available for water sealing around separator of form as well 	 <ul style="list-style-type: none"> • Water sealing for drilling part • Perfect sealing after application

MAIN APPLICATION

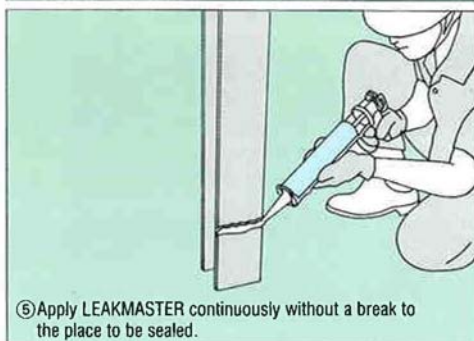
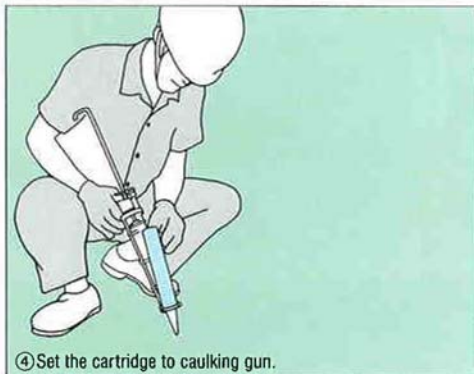
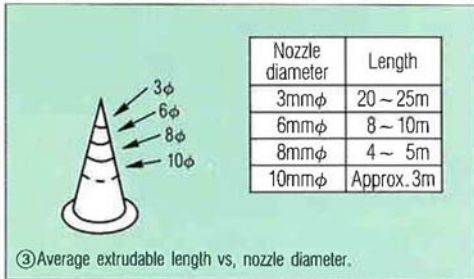
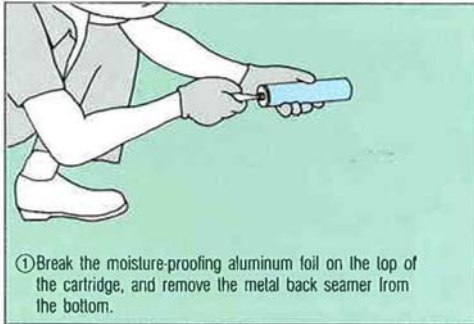
		
For H-Section Steel Joints and Bars	For Joints of Cast in-situ Concrete	For Pipe Penetrating Floor
		
For Drilling Part	For Joints of Cast in-situ Concrete	For Box Culvert

Warranty

All statements regarding this product are based upon procedures and tests which we believe are reliable, and may be changed for improvement of quality without any notice; but it will be the sole responsibility of the customer and/or end user to use this product properly, and therefore assume all risk and liability in connection therewith.

C. I. Kasei Co., Ltd. warrants its products to be of good quality and will replace product proved to be defective. In no instance will C. I. Kasei Co., Ltd. be liable for labor costs or incidental damage associated with the use of this product, unless stated in a warranty for a specific project.

■ Installation



INSTALLATION PROCEDURE

1. Remove laitance from surface where LEAKMASTER is to be applied.
2. Break moisture-proofing aluminum foil of the top and set nozzle.
3. Cut nozzle at appropriate position diagonally.
4. Break foil on the back side and set cartridge to caulking gun.
5. Caulk LEAKMASTER continuously.

IMPORTANT PRECAUTIONS:

1. This product contains solvent and may be ignited by sparks, heart or open flame before curing.
2. Ventilate adequately. Lack of ventilation may cause eye/respiratory irritation, headache, dizziness and nausea.
3. Do not swallow and avoid eye/skin contact.
4. Keep out of reach of children.
5. Store in a cool, dark and dry place below 32C (90F).
6. Do not apply to places in direct contact with potable water.
7. Do not apply to an external and/or a surface position.
8. Use at a temperature between 5C (41F) and 40C (104F).
9. Cover the applied LEAKMASTER with enough coverage of concrete in order to avoid concrete crack by its expansion pressure. (See Fig. 1)
10. Do not leave in water for longer than 6 hours before coverage.
11. Use up within 24 hours after breaking moisture-proofing foil.
12. Use within its shelf life of 12 months after the production month shown on the cartridge.

